

What is claimed is:

- 1 1. A method of generating zoom markup language data objects, the method  
2 comprising,  
3 employing a plurality of data objects contained within a first data source,  
4 employing a hierarchical relationship between said plurality of data objects,  
5 employing a spatial paradigm, and  
6 locating said plurality of data objects in virtual space relative to each other, based  
7 at least in part on said spatial paradigm and at least in part on said hierarchical  
8 relationship, to generate a zoom markup language format to define said plurality of data  
9 objects.
- 1 2. The method of claim 1 wherein said zoom markup language is human readable.
- 1 3. The method of claim 1 further comprising employing a predefined tag to define  
2 one of said plurality of data objects.
- 1 4. The method of claim 2 wherein said predefined tag is one of plate, raster, vector,  
2 text and link.
- 1 5. The method of claim 3 further comprising and defining within said predefined tag  
2 coordinates for said plurality of data objects.

1 6. The method of claim 4 further comprising defining within said predefined plate  
2 tag an x coordinate, a y coordinate, a z coordinate, a plate width, a plate height and a  
3 plate depth.

1 7. The method of claim 4 further comprising defining within said predefined raster  
2 tag a URL address containing an appearance of said one of said plurality of data objects.

1 8. The method of claim 4 further comprising defining within said predefined vector  
2 tag a URL address containing an appearance of said one of said plurality of data objects.

1 9. The method of claim 4 further comprising defining within said predefined text tag  
2 a font value and a justify value.

1 10. The method of claim 4 further comprising defining within said predefined link tag  
2 a URL address containing a link to a second one of said plurality of data objects.

1 11. The method of claim 1 wherein said step of generating a zoom markup language  
2 further comprises employing a predefined tag to define one of said plurality of data  
3 objects, said predefined tag is defined using as few as one character.

1 12. A method of generating a screen zoomable markup language, the method  
2 comprising,  
3 employing a plurality of data objects contained within a first data source,

4 employing a hierarchical relationship between said plurality of data objects,  
5 employing a spatial paradigm,  
6 locating said plurality of data objects in virtual space relative to each other, based  
7 at least in part on said spatial paradigm and at least in part on said hierarchical  
8 relationship, to generate a screen zoom markup language format to define said plurality  
9 of data objects.

1 13. ~~The method of claim 1 wherein said screen zoomable markup language is human~~  
2 readable.

1 14. The method of claim 12 further comprising employing a predefined tag to define  
2 one of said plurality of data objects.

1 15. The method of claim 14 further comprising defining within said predefined tag a  
2 name corresponding to said one of said plurality of data objects, a value of a second one  
3 of said plurality of data objects to which a user travels, and a set of coordinates to locate  
4 said one of said plurality of data objects.

1 16. The method of claim 14 wherein said predefined tag is one of text, axes, polygon,  
2 rectangle raster and vector.

1 17. The method of claim 16 further comprising defining within said predefined text  
2 tag at least one of a title, a justify value, a format value and a wrap mode value.

1 18. The method of claim 16 further comprising defining within said predefined axes  
2 tag at least one of a label for a first axis, a maximum limit for said first axis, a minimum  
3 limit for said first axis, a label for a second axis, a maximum limit for said second axis  
4 and a minimum limit for said second axis.

1 19. The method of claim 16 further comprising defining within said predefined  
2 polygon tag at least one of a points value corresponding to a number of points used to  
3 define a polygon, a coordinate value for each of said number of said points.

1 20. The method of claim 16 further comprising defining within said predefined  
2 rectangle tag a set of coordinates to locate said one of said plurality of data objects.

1 21. The method of claim 16 further comprising defining within said predefined raster  
2 tag at least one of a bounding set of coordinates and a URL.

1 22. The method of claim 16 further comprising defining within said predefined vector  
2 tag at least one of a bounding set of coordinates and a URL.

1 23. A system of generating zoom markup language, the system comprising,  
2 a computing device adapted to employ a plurality of data objects contained within  
3 a first data source, a hierarchical relationship between said plurality of data objects, and a  
4 spatial paradigm, and to locate said plurality of data objects in virtual space relative to  
5 each other, based at least in part on said spatial paradigm and at least in part on said

6 hierarchical relationship, to generate a zoom markup language format to define said  
7 plurality of data objects.

1 24. The system of claim 23 further adapted to employ a predefined tag to define one  
2 of said plurality of data objects.

1 25. The system of claim 23 further adapted to define within said predefined tag  
2 coordinates for said plurality of data objects.

1 26. The system of claim 24 wherein said predefined tag is one of plate, raster, vector,  
2 text and link.

1 27. The system of claim 26 further adapted to define within said predefined plate tag  
2 an x coordinate, a y coordinate, a z coordinate, a plate width, a plate height and a plate  
3 depth.

1 28. The system of claim 26 further adapted to define within said predefined raster tag  
2 a URL address containing an appearance of said one of said plurality of data objects.

1 29. The system of claim 26 further adapted to define within said predefined vector tag  
2 a URL address containing an appearance of said one of said plurality of data objects.

1 30. The system of claim 26 further adapted to define within said predefined text tag a  
2 font value and a justify value.

1 31. The system of claim 26 further adapted to define within said predefined link tag a  
2 URL address containing a link to a second one of said plurality of data objects.

1 32. The system of claim 23 wherein said step of generating a zoom markup language  
2 further comprises employing a predefined tag to define one of said plurality of data  
3 objects, said predefined tag is defined using as a few as one character.

1 33. A system of generating screen zoomable markup language, the system  
2 comprising,  
3 a computing device adapted to employ a plurality of data objects contained within  
4 a first data source, a hierarchical relationship between said plurality of data objects, and a  
5 spatial paradigm, and to locate said plurality of data objects in virtual space relative to  
6 each other, based at least in part on said spatial paradigm and at least in part on said  
7 hierarchical relationship, to generate a screen zoom markup language format to define  
8 said plurality of data objects.

1 34. The system of claim 33 further adapted to employ a predefined tag to define one  
2 of said plurality of data objects.

1 35. The system of claim 34 further adapted to define within said predefined tag a  
2 name corresponding to said one of said plurality of data objects, a value of a second one  
3 of said plurality of data objects to which a user travels, and a set of coordinates to locate  
4 said one of said plurality of data objects.

1 36. The system of claim 34 wherein said predefined tag is one of text, axes, polygon,  
2 rectangle, raster and vector.

1 37. The system of claim 36 further adapted to define within said predefined text tag at  
2 least one of a title, a justify value, a format value and a wrap mode value.

1 38. The system of claim 36 further adapted to define within said predefined axes tag  
2 at least one of a label for a first axis, a maximum limit for said first axis, a minimum limit  
3 for said first axis, a label for a second axis, a maximum limit for said second axis and a  
4 minimum limit for said second axis.

1 39. The system of claim 36 further adapted to define within said predefined polygon  
2 tag at least one of a points value corresponding to a number of points used to define a  
3 polygon, a coordinate value for each of said number of said points.

1 40. The system of claim 36 further adapted to define within said predefined rectangle  
2 tag at least one of a set of coordinates to locate said one of said plurality of data objects.

1 41. The system of claim 36 further adapted to define within said predefined raster tag  
2 at least one of a bounding set of coordinates and a URL.

1 42. The system of claim 36 further adapted to define within said predefined vector tag  
2 at least one of a bounding set of coordinates and a URL.